

ELECTRONIC INSERTION/EXTRACTION CYCLE COUNTER AND LOGGER
DEVICE

ABSTRACT OF THE DISCLOSURE

5 A monitoring system monitors wear of a connector by counting insertions or
extractions between circuit boards. The monitoring system includes a sensor that senses
insertions or extractions through contact or non-contact sensing. The monitoring
system also includes a monitor connected to the sensor to monitor insertions or
extractions and, optionally, store data in memory and generate an alarm signal if a
10 predetermined threshold has been exceeded. The monitoring system may be positioned
at any location in an electronic system and may be configured such that the sensor
connects to the monitor directly, indirectly, or over a network.